DERWENT PUBLICATIONS LTD.

71403 D/39 E17 ASBA = 23.04.79 E(10-J2C3) N(5-A) AS USSR BASHKIR CHE 23.04.79-SU-775069 (07.01.81) C07c-02/22 *SU-793-972	E(10-J2C3) N(5-A)		b nzyloxy zirconium and di:alkoxy aluminium chloride 23.04.79 as 775069 (1511VE) 23.04.79 as 775069 (1511VE) Dimers of higher (6-10C) linear alpha-olefines by dimerisation of the corresp. alpha-olefins, using complex catalyst comprising Zr (OR)4, (where R is Et, Bu. benzyl (PhCH2), and AlR'2Cl, (where R' is Et, Bu in 1:(9-25) molar ratio respectively at 20-200 deg.C. Benzene, toluene, or methylene chloride were used as solvents. These cpds. are used in petrochemical industry to obtain detergents capable of undergoing bio-degradation, emulsifiers, higher mercaptans and lubricants. (2pp) Example A soln. contg. 0.383g Zr(OC4H9)4 and 1.7g AlEt2Cl in 20 ml. toluene and 84g hexene-1 was placed in autoclave filled with Ar, and the mixt. was stirred for 48h. at 20 deg.C The catalyst was decomposed with alcohol and the prods. were distilled in vacuo.
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